

REMARKS/ARGUMENTS

Status of the Application

Prior to the entry of this amendment, claims 1-13, 15 and 16 were pending in this application. The Office Action rejected claims 1-7, 11-13, 15 and 16 under 35 U.S.C. § 101 finding the claimed invention directed to non-statutory subject matter, rejected claim 15 under 37 CFR 1.75 as being a duplicate of claim 16 and objected to claims 8-10 as being dependent upon a rejected base claim.

The present amendment amends claims 1 and 8 and cancels claims 15 and 16. Therefore, claims 1-13, are presented for examination in this amendment. Reconsideration of the remaining/amended claims is respectfully requested.

35 U.S.C. § 101 Rejections

In the Office Action claims 1-7, 11-13, 15 and 16 were rejected under 35 U.S.C. § 101 for being directed to non-statutory subject matter; the Office Action stating that there was no tie of the method to a machine or apparatus. As amended, independent claim 1 provides that seismic data is received, a digital filter for the seismic data is determined and the digital filter is applied to the seismic data to remove noise. Applicants respectfully submit that as amended the method of claim 1 provides a useful, real-world/tangible output – seismic data/signals with reduced noise. Further, Applicants respectfully submit that the claimed method of independent claim 1 is analogous to a pair of glasses in that it takes seismic data and makes it clearer. As such, Applicants respectfully submit that amended independent claim 1 is not directed to non-statutory subject matter.

Consequently, Applicants respectfully request that the Section 101 rejection of pending claims 1-7, 11-13, 15 and 16 be withdrawn.

CONCLUSION

In view of the foregoing, Applicant believes all claims now pending in this Application are in condition for allowance. The issuance of a formal Notice of Allowance at an early date is respectfully requested.

In the event that a fee or refund is due in connection with this Amendment, the Commissioner is hereby authorized to charge any underpayment or credit any overpayment to Deposit Account No 19-0615. If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned.

Respectfully submitted,

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